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VPL-E Series Data Projectors

VPL-EX100, VPL-EX120, VPL-EX145,
VPL-EX175 Data Projectors

3LCD BrightEra™

Eco-friendly, low total cost of ownership and easy operation

Sony's VPL-E Series data projectors are designed to deliver a low total cost of ownership and include eco-friendly features, thanks to a long-lasting lamp design and low power consumption. These projectors are not only stylish, but also offer native XGA resolution for high image quality with a high brightness of 3600 lumens (VPL-EX175), 3100 lumens (VPL-EX145), 2600 lumens (VPL-EX120), or 2300 lumens (VPL-EX100).

Delivering superb images and simple operation, Sony's VPL-E Series projectors provide an excellent balance between quality and cost, ideal for use in education, SMEs and corporates.

Features

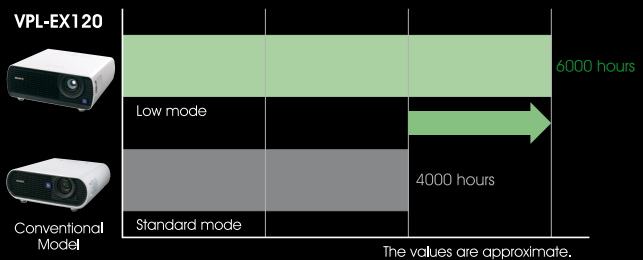
Cost-efficient, Energy-efficient Design

Long-lasting Lamp

By incorporating a newly developed high-performance lamp and advanced lamp-control technology, VPL-E Series projectors deliver an extremely long lamp replacement time of 6,000 hours*.

Lamp and Filter Synchronised Maintenance

When it's time to clean the air filter, a reminder message is clearly displayed on screen. Like the lamp, the air filter has an approximate 6,000-hour cleaning cycle. The filter only needs to be clean when the lamp is changed, saving maintenance effort and cost.

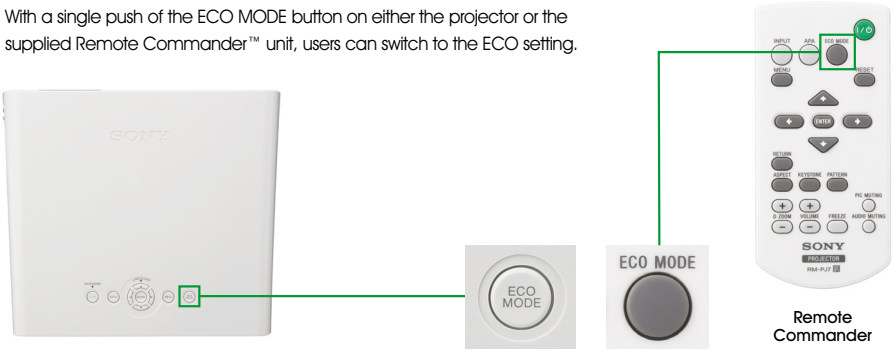


Longer Lamp Exchange Time

* Approximate recommended period, in low mode.

Features Continued

ECO MODE Button
With a single push of the ECO MODE button on either the projector or the supplied Remote Commander™ unit, users can switch to the ECO setting.



Projector

Remote Commander

			ECO Setting
Lamp Mode (Brightness)	High	Standard	Low
Power Saving Mods	Off	Lamp-Off	Standby
Standby Mode	Standard		Low

See Brightness / Lamp Light Output Specifications by Model

Power Saving Mode
If no signal is input for 10 minutes, the projector lamp will automatically turn off.

Simple Projector Replacement
The standard 1.3x zoom lens enables installation flexibility when replacing an existing projector with the VPL-E Series. There's no need to change ceiling mount positions.

High Picture Quality
Sony's 3LCD Projection with BrightEra™ technology
The VPL-EX120, VPL-EX145 and VPL-EX175 use Sony's next generation inorganic panels (BrightEra) with their 3LCD projector system to deliver higher picture quality, substantially brighter images, higher efficiency, better contrast, consistent colour stability and longer durability and usability.

12-bit 3D Gamma Correction
The VPL-E Series incorporates 12-bit 3D Gamma Correction circuitry to perform highly accurate gamma correction, achieving smoother gradations and a richer grey scale.

I/P Conversion and Film Mode
The video signal processing technology that Sony has incorporated in the VPL-E Series offers I/P conversion and 2-3 pull-down to generate high-quality images with outstanding clarity.

Easy-to-use Functions
Image Freeze
The Image Freeze function can display a freeze frame to allow the presenter to prepare or switch to the next image.

Off and Go
Once a presentation is complete, a VPL-E Series projector can be immediately moved to the next location, simply by turning it off and unplugging the AC power cord – there's no need to wait for the fan to stop.

Other Features
Auto Keystone Adjustment
Corrects any trapezoidal distortion automatically.

Picture (Audio) Muting
Mutes the image/audio.

6 Picture Modes
Selectable six picture modes according to the picture source.

Picture Modes			
Mode	Description	Brightness	Brightness Mode*
Dynamic	Emphasises the contrast in producing a 'dynamic and vivid' picture	••••	High / Standard
Standard	Makes the picture more natural and well balanced	•••	Standard / ECO
Game	Select for viewing games with vibrant colour	••	ECO
Living	Select for viewing sports, music and digital video camera picture	••	ECO
Cinema	Select for viewing film-like picture	•	ECO
Presentation	Makes the picture bright suitable for presentations	•••••	High

*Recommendation only, environment conditions can vary

Security Pack
Security lock (password and mechanical), security bar and panel key lock.

Direct Power On/Off
Direct power control using a circuit breaker on the switch board.

High Altitude Mode
For reliable projector operation at high altitude.

Network and Control
Controls and monitors projector status compatible with various control systems.

CERTIFIED CRESTRON Integrated Partner

DEVICE AMX DISCOVERED

PJLink™

PrimeSupport

All Sony Professional's business projectors sold into the EU, Norway and Switzerland come supplied with a 3 year PrimeSupport pack. This offers unique services and benefits over and above standard warranty:-

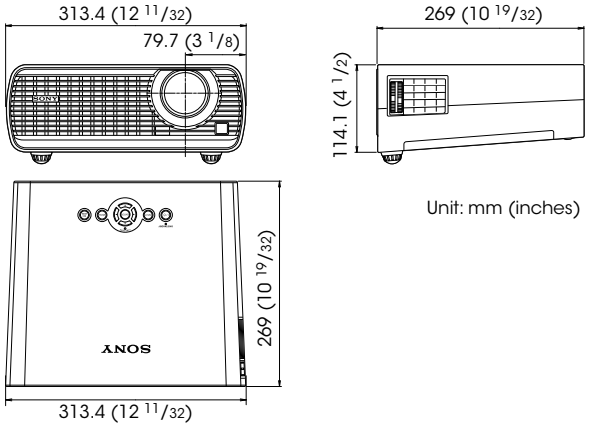
3 Years Cover
Freephone telephone helpdesk support (00800 7898 7898) in 5 languages. Collection, repair and return anywhere in EU, Norway and Switzerland.
In addition, optional PrimeSupport Plus packs can be purchased which can further enhance the 3 year support to give extra peace of mind:-

- A 2 year extension to give long-term assurance of expert support and technical assistance
- Provision of a loan unit throughout the 3 year of PrimeSupport cover to minimise disruption to business
- Free replacement lamp throughout the 3 year PrimeSupport cover to reduce unexpected running costs

Prime Support

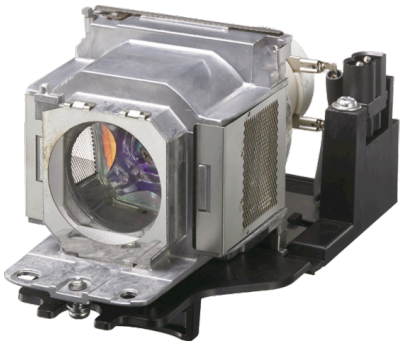
Prime Support Plus

Dimensions



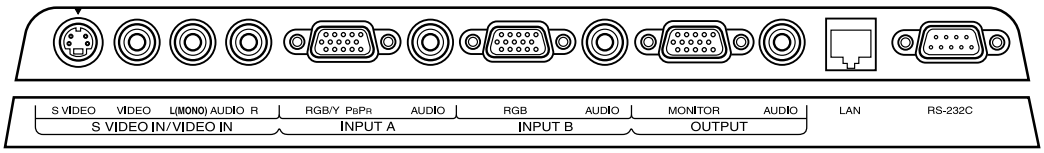
Unit: mm (inches)

Optional Accessory

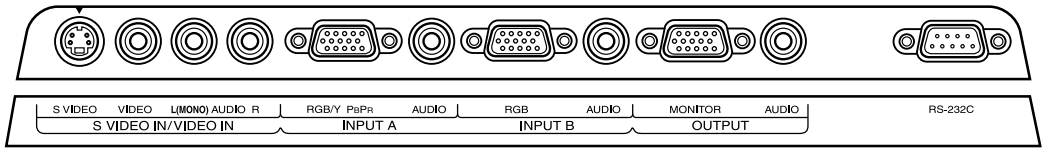


LMP-E211
Projector Lamp (for replacement)

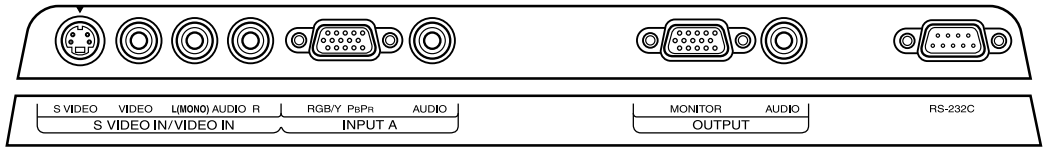
Connector Panels



VPL-EX175
VPL-EX145



VPL-EX120



VPL-EX100

Technical Specifications

Specifications		VPL-EX100	VPL-EX120	VPL-EX145	VPL-EX175
Display system		3 LCD system			
Display device	Size of effective display area	0.63" (16.0 mm) x 3, Aspect ratio: 4:3	0.63" (16.0 mm) x 3, BrightEra, Aspect ratio: 4:3		
	Number of pixels	2,359,296 (1024 x 768 x 3) pixels			
Projection lens	Zoom	Manual (Approx. 1.3 x)			
	Focus	Manual			
Light source		High-pressure mercury lamp 210 W type			
Recommended lamp replacement time*1		3000 H / 4500 H / 6000 H (Lamp mode: High / Standard / Low)			
Filter cleaning cycle		Max. 6000 H*1 / Same time as the lamp replacement is recommended			
Screen size		30" to 300" (0.762 m to 7.62 m)*2			
Light output (Lamp mode: High / Standard / Low)		2300 lm / 1800 lm / 1500 lm	2600 lm / 2100 lm / 1700 lm	3100 lm / 2500 lm / 2000 lm	3600 lm / 2700 lm / 2200 lm
Color light output		2300 lm / 1800 lm / 1500 lm	2600 lm / 2100 lm / 1700 lm	3100 lm / 2500 lm / 2000 lm	3600 lm / 2700 lm / 2200 lm
Contrast ratio (full white / full black)*3		2200:1	2500:1	4000:1	4000:1
Speaker		1 W x 1 (monaural)		10 W x 1 (monaural)	
Displayable scanning requency	Horizontal	14 kHz to 93 kHz			
	Vertical	47 Hz to 93 Hz			
Display resolution	Computer signal input	Maximum input signal resolution: 1600 x 1200 (resizing display), Panel display resolution: 1024 x 768 pixels			
	Video signal input	NTSC, PAL, SECAM, 480/60i, 576/50i, 480/60p, 576/50p, 720/60p, 720/50p, 1080/60i, 1080/50i			
Color system		NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60			
Keystone correction		Vertical: Max. +/- 30 degrees*4			
OSD language		20-languages (English, Dutch, French, Italian, German, Spanish, Portuguese, Turkish, Polish, Russian, Swedish, Norwegian, Japanese, Simplified Chinese, Traditional Chinese, Korean, Thai, Vietnamese, Arabic, Persian)			
Computer and video signal input/output	INPUT A	RGB / Y PB PR input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack			
	INPUT B	–	RGB input connector: Mini D-sub 15-pin (female), Audio input connector: Stereo mini jack		
	S VIDEO IN	S video input connector: Mini DIN 4-pin, Audio input connector: Pin jack (x2) (shared with VIDEO IN)			
	VIDEO IN	Video input connector: Pin jack, Audio input connector: Pin jack (x2) (shared with S VIDEO IN)			
	OUTPUT	Monitor output connector*5: Mini D-sub 15-pin (female), Audio output connector*6: Stereo mini jack (variable out)			
Other signal input/output		RS-232C connector: D-sub 9-pin (female)			
		–		LAN connector: RJ45, 10BASE-T/100BASE-TX	
Operating temperature (Operating humidity)		0°C to 40°C / 32°F to 104°F (35% to 85% (no condensation))			
Storage temperature (Storage humidity)		-20°C to +60°C / -4°F to +140°F (10% to 90%)			
Power requirements		AC 100 V to 240 V, 3.3 A to 1.3 A, 50 Hz /60 Hz			
Power consumption	AC 100 V to 120 V	300 W / 265 W / 235 W		320 W / 275 W / 245 W	
	AC 220 V to 240 V	290 W / 255 W / 225 W		310 W / 265 W / 235 W	
Standby mode power consumption	AC 100 V to 120 V	8 W / <1.0 W (Standby mode: Standard / Low)		9 W / <1.0 W (Standby mode: Standard / Low)	
	AC 220 V to 240 V	10 W / <1.0 W (Standby mode: Standard / Low)		11 W / <1.0 W (Standby mode: Standard / Low)	
Heat dissipation	AC 100 V to 120 V	1023 BTU		1091 BTU	
	AC 220 V to 240 V	989 BTU		1057 BTU	
Standard outside dimensions		W 313.4 x H 129.6 x D 278.3 mm (W 12 11/32 x H 5 3/32 x D 10 31/32 in) W 313.4 x H 114.1 x D 269 mm (W 12 11/32 x H 4 1/2 x D 10 19/32 in) (without protrusion)			
Mass		3.2 kg / 7 lb 0.88 oz		3.3 kg / 7 lb 4.4 oz	
Supplied accessories		RM-PJ7 Remote Commander (1), Lithium Battery: CR2025 (1), Mini D-sub 15-pin cable (1), Lens Cap (1), Operating Instructions (1), Quick Reference Manual (1), AC power cord (1)			
		Carrying case (1)		–	

*1: The figures are expected maintenance time and not guaranteed. They will depend on the environment or how the projector is used. *2: Viewable area, measured diagonally. *3: The value is average. *4: Depend on resolution. *5: From INPUT A and INPUT B. *6: Works as audio switcher function. From current channel only. Not available in standby.

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